



Robert Greene Sterne  
Edward J. Kessler  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steff  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Alcom  
Robert C. Millonig  
Donald J. Featherstone  
Lawrence B. Bugaisky  
Michael V. Messinger  
Judith U. Kim

Timothy J. Shea, Jr.  
Patrick E. Garrett  
Jeffrey T. Helvey  
Heidi L. Kraus  
Albert L. Ferro\*  
Donald R. Banowitz  
Peter A. Jackman  
Teresa U. Medler  
Jeffrey S. Weaver  
Kendrick P. Patterson  
Vincent L. Capuano  
Eldora Ellison Floyd  
Thomas C. Fiala  
Brian J. Del Buono  
Virgil Lee Beaston  
Theodore A. Wood  
Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham

Christine M. Lhulier  
Rae Lynn P. Guest  
George S. Bardmesser  
Daniel A. Klein\*  
Jason D. Eisenberg  
Michael D. Specht  
Andrea J. Kamage  
Tracy L. Muller\*  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Aric W. Ledford\*  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle\*  
Gaby L. Longsworth  
Lori A. Gordon\*  
Nicole D. Dretar  
Ted J. Ebersole

Jyoti C. Iyer\*  
Laura A. Vogel  
Michael J. Mancuso  
Bryan S. Wade  
Aaron L. Schwartz  
Matthew E. Kelley\*  
Nicole R. Kramer  
**Registered Patent Agents**\*  
Karen R. Markowicz  
Nancy J. Leith  
Matthew J. Dowd  
Aaron L. Schwartz  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Teresa A. Colella  
Jeffrey S. Lundgren  
Victoria S. Rutherford

Michelle K. Holubek  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee  
Scott M. Woodhouse  
Michael G. Penn  
Christopher J. Walsh  
Peter A. Socarras  
**Of Counsel**  
Kenneth C. Bass III  
Evan R. Smith  
Marvin C. Guthrie  
\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Practice Limited to  
Federal Agencies

January 10, 2005

**WRITER'S DIRECT NUMBER:**  
(202) 772-8810

**INTERNET ADDRESS:**  
ESMITH@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

*Art Unit 2819*  
**Mail Stop Amendment**

Re: U.S. Utility Patent Application  
Application No. 10/767,774; Filed: January 30, 2004  
For: **System And Method For Shuffling Mapping Sequences**  
Inventor: Kevin L. MILLER  
Our Ref: 1875.3900000

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Fee Transmittal Form;
2. Petition for Extension of Time under 37 C.F.R. § 1.136(a);
3. Amendment and Reply under 37 C.F.R. § 1.111;
4. Credit Card Payment Form (PTO-2038); and
5. One return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
January 10, 2005  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Evan R. Smith  
Attorney for Applicant  
Registration No. 35,683

ERS/sjc  
Enclosures

352576\_1.DOC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

1,120.00

**Complete if Known**

Application Number	10/767,774
Filing Date	January 30, 2004
First Named Inventor	Kevin L. MILLER
Examiner Name	Young, Brian K.
Art Unit	2819
Attorney Docket No.	1875.3900000

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 19-0036 Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100Multiple dependent claims 360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	
				Fee (\$)	Fee Paid (\$)
<u>15</u>	- 20 or HP	= <u>0</u>	x <u>0</u>	= <u>0</u>	
HP = highest number of total claims paid for, if greater than 20					
<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>		
<u>8</u>	- 3 or HP	= <u>5</u>	x <u>\$200</u>	= <u>\$1,000</u>	
HP = highest number of independent claims paid for, if greater than 3					

**3. APPLICATION SIZE FEE**

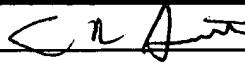
If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: One month extension of time (large entity) \$120.00**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	35,683	Telephone	(202) 371-2600
Name (Print/Type)	Evan R. Smith			Date	1/18/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 5555
Kevin L. MILLER	Art Unit: 2819
Appl. No.: 10/767,774	Examiner: Young, Brian K.
Filed: January 30, 2004	Atty. Docket: 1875.3900000
<b>For: System And Method For Shuffling Mapping Sequences</b>	

**Amendment and Reply Under 37 C.F.R. § 1.111**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated September 9, 2004, (PTO Prosecution File Wrapper Paper No. 20040902), Applicant submits the following Amendment and Remarks. This Amendment is provided in the following format:

- (A) Each section begins on a separate sheet;
- (B) Starting on a separate sheet, amendments to the specification by presenting replacement paragraphs marked up to show changes made;
- (C) Starting on a separate sheet, a complete listing of all of the claims:
  - in ascending order;
  - with status identifiers; and
  - with markings in the currently amended claims;
- (D) Starting on a separate sheet, the Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned

Kevin L. MILLER  
Appl. No. 10/767,774

under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.